			Standard Requirements	Remarks
	Test Method as per IS Standards	Test Results		
Specific Gravity	IS 4031 (Part-11)	3.11%	Obtained Test Results Should Be Less Than 15%	OPC
Initial Setting Time	IS 4031 (Part-5)	120Minutes	Obtained Test Results Should not be less than 30 minutes	
Final Setting Time	IS 4031 (Part-5)	345Minutes	Obtained Test Results Should not be more than 600 minutes	
Soundness	IS 4031 (Part-3) by Le-Chatelier method	3.5 mm	Not more than 10mm	
Standard Consistency	IS 4031 (Part-4)	28%	Obtained Test results Should be 20% to 30%	

Remarks: Information / Sample furnished by the Agency / Contractor to the testing laboratory

Note:

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PROJECT CONSULTANT

Tests on Cement

[IS:4031 – Part 1 to 5]

TEST REPORT

roject Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 01	
Client:	Executive Engineer, project division, yelahanka zone.		
Contractor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date:	24/11/2020
Sample Supplied by:	Agency / Contractor		

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ıe test results conducted on the cement sample are as follows:

	Description	Test Method as per IS Standards	Test Result	Standard Requirements	Remarks
	Fineness of Cement	IS 4031 (Part-1)	3.1%	Obtained Test Results Should Be Less Than 10%	OPC
	Initial Setting Time	IS 4031 (Part-5)	126Minutes	Obtained Test Results Should not be less than 30 minutes	
	Final Setting Time	IS 4031 (Part-5)	343Minutes	Obtained Test Results Should not be more than 600 minutes	
	Soundness	IS 4031 (Part-3) by Le-Chatelier method	3.3 mm	Not more than 10mm	
	Standard Consistency	IS-4031 (Part-4)	28%	Obtained Test results Should be 20% to 30%	

ımarks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

ote:-

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PROJECT CONSULTANT

Core Test on Kerb Stone [IS:516-1959 RA1999], SP-24:1983

TEST REPORT

ct Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 01	
t:	Executive Engineer, project division, yelahanka zone.		
ractor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date	03-01-2021
ple Location:	At Site		
rial Tested:	Kerb Stone Core Test	Grade of Concrete	M-15

est results conducted on the Kerb Stone Core sample are as follows:

of e m)	Height of the Core H (mm)	Core Wt (Kg)	Density of Core (kg/m3)	H/D	Correction Factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm2)	Correction Factor for the Dia (Strength of Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm2)	Equivalent cube Compressive Strength (N/mm2)
00	75.00	0.342	2322.09	1.52	0.96	25.6	13.13	14.19	13.58	17.02
00	77.00	0.358	2337.53	1.51	0.96	26.6	13.38	14.47	13.86	17.38
00	79.00	0.371	2385.30	1.57	0.96	27.3	14.02	15.18	14.61	18.21

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PROJECT CONSULTANT

Field Density test for Soilsample are as follows:

Tests on Sub Grade

TEST REPORT ON FIELD DENSITY OF EMBACKMENT

Project Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 02	
Client:	Executive Engineer, project division, yelahanka zone.	Date:	29/10/2020
Contractor:	M/s Ramkrishy Infrastructure Pvt Ltd		
Sample :	At site		
Sample identification :	Sub-Grade Soil.		

LabMDD(gm/cc): 1.88

Lab OMC(%): 8.3	
Mean weight of sand in cone(w2)	396
Volume of calibrating cylinder(V)	1176
Weight of Sand+cylinder (before pouring into the calibrating container)(W1)	6522
Mean Weight of sand+cylinder(after Pouring into the calibrating container)(w3)	4458
Weight of sand to fill calibrating container(wa=w1-w2-w3)	1668
Bulk density of sand(Ys=Wa/V)	1.42

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PROJECT CONSULTANT

Sl no	Description	1	2	3
1	Chainage (m)	60 lhs	80rhs	70C
2	Weight of wet soil/GSB/WMM from hole w gm	2486	2311	2291
3	Weight of cylinder+sand before pouring(w1)	6510	6284	6394
4	Weight of cylinder+sand after pouring(w2)	4354	4268	4390
5	Weight of sand in conical portion(wc)	395	395	395
6	Weight of sand /gsb/wmm in hole(Wh=W1-W2-Wc)	1761	1621	1609
7	volume of pit (V=Wh/Density of sand)	1246.52	1147.42	1138.93
8	Bulk density=(W/V)	1.99	2.01	2.01
9	Rapid moisture meter reading= M	9	8	8.4
10	Field moisture content MFC(%) by RMM reading	0.09	0.08	0.084
11	Field dry density FDD(g/cc)	1.83	1.86	1.86
12	Degree of compaction (%)	97.32	99.20	98.18

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TEST REPORT

TEST ON CEMENT

& Address of he Client	Executive Engineer, Project division, yelahanka zone.
me of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
e of Testing	26-12-2020

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	49	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-5) 1988	VICAT	486	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

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TEST REPORT

GRADATION TEST ON FINE AGGREGATES

Name & Address of the Client	Executive Engineer, Project division, yelahanka zone.
Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
lame of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Date of Testing	06-02-2021
Specific Gravity	2.62
echnical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2016), IS : 2386 (Part III)–1963 (Reaffirmed 2016)

ample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS 383 : 2016				Grading Zone	Remarks
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV		
Crushed Stone Sand	10	**100**	100	100	100	100	II	**Satisfies the requirement**
	4.75	**99.1**	90-100	90-100	90-100	95-100		
	2.36	**88.3**	60-95	75-100	85-100	95-100		
	1.18	**65.4**	30-70	55-90	75-100	90-100		
	0.6	**42.3**	15-34	35-59	60-79	80-100		
	0.3	**22.4**	5-20	8-30	12-40	15-50		
	0.15	**18.3**	**0-20***	**0-20***	**0-20***	**0-20***		

For Crushed Stone Sand the permissible % passing on upper limit for 150µ IS Sieve is increased from 10 for Zone ,III & 15 for Zone IV, to 20%

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TEST REPORT

GRADATION TEST ON COARSE AGGREGATES 40mm ↓ Graded

ame & Address of the Client	Executive Engineer, Project division, yelahanka zone.
Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
ne of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
)ate of Testing	28/01/2021
pecific Gravity	**2.67**
ater Absorption	**0.3%**
hnical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2016), IS : 2386 (Part III)–1963 (Reaffirmed 2016)

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS 383 : 2016	Remarks
80	**100**	100	**Satisfies the requirement**
40	**98.3**	90-100	
20	**56.4**	30-70	
10	**22.1**	10-35	
4.75	**4.2**	0-5	

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TEST REPORT

GRADATION TEST ON COARSE AGGREGATES 20mm ↓ Graded

& Address Client	Executive Engineer, Project division, yelahanka zone.
of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
of Testing	25/01/2021
fic Gravity	2.63
Absorption	0.32%
ical Reference	IS : 2386(Part I)-1963 (Reaffirmed 2016), IS : 2386 (Part III)-1963 (Reaffirmed 2016)

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS 383 : 2016	Remarks
40	100	100	Satisfies the requirement
20	99.1	90-100	
10	48.3	25-55	
4.75	7.8	0-10	

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PREETHI CAD CONSULTING ENGINEERS PVT.LTD

TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 16 mm

ame & Address the Client	Executive Engineer, Project division, yelahanka zone.
ame of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
me of the gency	M/s Ramkrishy Infrastructure Pvt Ltd
te of Testing	12-02-2021
ade of Steel	Fe - 500

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	16	16	Satisfactory
2	Wt/m Length (Kg/m)	1.59	1.58	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.3	12	Satisfactory
5	Yield Stress(N/Sq.mm)	518	500	Satisfactory
6	U T S (N/Sq.mm)	575	545	Satisfactory

te:

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PREETHI CAD CONSULTING ENGINEERS PVT.LTD

TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 12 mm

& Address Client	Executive Engineer, Project division, yelahanka zone.
of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
of the y	M/s Ramkrishy Infrastructure Pvt Ltd
of Testing	14-02-2021
of Steel	Fe - 500

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.2	12	Satisfactory
5	Yield Stress(N/Sq.mm)	509	500	Satisfactory
6	U T S (N/Sq.mm)	565	545	Satisfactory

results relate only to the items tested.
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results are based on the test conducted on samples supplied by the customer.

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 10mm

me & Address the Client	Executive Engineer, Project division, yelahanka zone.
me of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
me of the ency	M/s Ramkrishy Infrastructure Pvt Ltd
te of Testing	04-02-2021
ade of Steel	Fe - 500

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	13.9	12	Satisfactory
5	Yield Stress(N/Sq.mm)	504	500	Satisfactory
6	U T S (N/Sq.mm)	560	545	Satisfactory

te:
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TEST REPORT

GAUGE TEST ON MS HALLOW POLES

& Address of the	Executive Engineer, Project division, yelahanka zone,
of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
of Testing	17-02-2021

Gauge Test

Nominal Size in mm	Guage	Measured Thickness in mm	Min. As Per IS : 1136-2008 in mm	Remarks
20	14	2.01	1.99	Satisfies The Requirement

results relate only to the items tested.

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correction invalidates this report.

results are based on the test conducted on samples supplied by the client.

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TEST REPORT

GAUGE TEST ON MS HALLOW POLES

& Address of the	Executive Engineer, Project division, yelahanka zone,
of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
f Testing	17-02-2021

Gauge Test

Nominal Size in mm	Guage	Measured Thickness in mm	Min. As Per IS : 1136-2008 in mm	Remarks
20	14	2.01	1.99	Satisfies The Requirement

results relate only to the items tested.

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TEST REPORT

GAUGE TEST ON MS HALLOW POLES

Name & Address of the Client	Executive Engineer, Project division, yelahanka zone.
Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
Name of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Date of Testing	10-02-2021

Gauge Test

Nominal Size in mm	Guage	Measured Thickness in mm	Min. As Per IS : 1136-2008 in mm	Remarks
20	14	1.99	1.99	Satisfies The Requirement

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TEST REPORT

GAUGE TEST ON MS HALLOW POLES

& Address of the	Executive Engineer, Project division, yelahanka zone.
of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
of Testing	10-02-2021

Gauge Test

Nominal Size in mm	Guage	Measured Thickness in mm	Min. As Per IS : 1136-2008 in mm	Remarks
20	14	1.99	1.99	Satisfies The Requirement

results relate only to the items tested.

port shall not be reproduced except in full, without the written approval of the lab.

correction invalidates this report.

results are based on the test conducted on samples supplied by the client.

48/43, 6th Main Road, JnanajyothiNagara, Jnana Bharathi, Bangalore – 560 056. Tel: 080-23240109,
Fax : 080 - 23340685, Cell : 98442 66050 E-mail : preethicad99@gmail.com

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PREETHI CAD CONSULTING ENGINEERS PVT.LTD

TEST REPORT

POLE GAUGE TEST

& Address of tomer	Executive Engineer, Project division, yelahanka zone.
e of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
e of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
of Testing	13/02/2021

Gauge Test

Gauge	Measured Thickness in mm	Min. As Per IS : 1136-2008 in mm	Remarks
8	3.99	3.99	Satisfies The Requirement

e results relate only to the items tested.

port shall not be reproduced except in full, without the written approval of the lab.

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TEST REPORT

POLE GAUGE TEST

s Address of stomer	Executive Engineer, Project division, yelahanka zone.
f Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
f the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Testing	06/02/2021

Gauge Test			
Guage	Measured Thickness in mm	Min. As Per IS : 1136-2008 in mm	Remarks
8	4.01	3.99	Satisfies The Requirement

results relate only to the items tested.

ort shall not be reproduced except in full, without the written approval of the lab.

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PREETHI CAD CONSULTING ENGINEERS PVT.LTD

TEST REPORT

TEST ON STEEL ANGLES

e & Address of the Client	Executive Engineer, Project division, yelahanka zone.
me of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
te of Testing	09/02/2021

Sl.No.	Description	Result	IS 2062-1999 & 808-1989 Min. Requirements	Remarks
1	Wt/m Length (Kg/m)	5.9	5.8	Satisfactory
2	Elongation (%)	25	23	Satisfactory
3	U T S (N/Sq.mm)	420	410	Satisfactory

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ort shall not be reproduced except in full, without the written approval of the lab.
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results are based on the test conducted on samples supplied by the client.

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